Fall 2009 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0010 Lower San Joaquin Levee District	Overall LMA Rating	Total LMA Miles	10.00%; hov	Threshold Perce	iles are pres	
	M *	197.28	the Overall L	MA Rating is M i	nstead of A.	
					Encroad	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Vegetation	0.67		0.67	0.34%		
Trim / Thin Trees	0.04		0.04	0.02%		
Encroachments	0.10		0.10	0.05%	0.65	
Animal Control	0.81		0.81	0.41%		
Crown Surface / Depressions / Rutting	4.52		4.52	2.29%		
Repair Gates	0.01		0.01	0.01%		
Encroachments		0.01	0.04	0.02%		
LMA Totals:	6.15	0.01	6.19	3.14% *	0.65	0.00
Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	Α	22.56				
Detail "	14.14"	11.54	NA . 411 NATI	There is a line of		chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Vegetation	0.47		0.47	2.08%	0.04	
Encroachments	0.06	0.00	0.06	0.27%	0.31	0.00
Unit Totals:	0.53	0.00	0.53	2.35%	0.31	0.00
Unit No. 02A San Joaquin River	Overall Unit Rating	Total Unit Miles				
	M	13.79				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
Crown Surface / Depressions / Rutting	2.32		2.32	16.82%		
Unit Totals:	2.32	0.00	2.32	16.82%	0.00	0.00
Unit No. 02B San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	5.92				
						hments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Trim / Thin Trees	0.04		0.04	0.68%		
Encroachments	0.02		0.02	0.34%		
Animal Control	0.01		0.01	0.17%		
Unit Totals:	0.07	0.00	0.07	1.18%	0.00	0.00
Unit No. 03 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	2.16				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00

Fall 2009 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 04 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	Α	1.58				
						chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 05 East Side Bypass	Overall Unit Rating	Total Unit Miles				
	A	34.75				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
Animal Control	0.09		0.09	0.26%		
Repair Gates	0.01		0.01	0.03%		
Unit Totals:	0.10	0.00	0.10	0.29%	0.00	0.00
Unit No. 06 East Side Bypass	Overall Unit Rating	Total Unit Miles				
	A	36.38				
					Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Animal Control	0.10		0.10	0.28%		
Unit Totals:	0.10	0.00	0.10	0.28%	0.00	0.00
Unit No. 07 Bear Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	3.62				
						chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 08 Bear Creek Bypass	Overall Unit Rating	Total Unit Miles				
	Α	3.63				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Animal Control	0.15		0.15	4.13%	2.22	
Unit Totals:	0.15	0.00	0.15	4.13%	0.00	0.00
Unit No. 09 Owens Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.88				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	chments CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 10 Owens Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.82				
						chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00

Fall 2009 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 11 Mariposa Bypass	Overall Unit	Total Unit				
Onic No. 11 Manposa Bypass	Rating	Miles				
	A	3.31				
Dated Harry	NA NA:1	I I NAH -	M + 411 Miles	Throokald 0/		chments
Rated Item No Items	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Offit Totals.	0.00	0.00	0.00	0.0070	0.00	0.00
Unit No. 12 Mariposa Bypass	Overall Unit	Total Unit				
	Rating	3.33				
	A	3.33			Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Animal Control	0.02		0.02	0.60%		
Unit Totals:	0.02	0.00	0.02	0.60%	0.00	0.00
Unit No. 13 Ash Slough	Overall Unit	Total Unit				
omeno, to ton croug.	Rating	Miles				
	A	1.28				
D 4 4 W		11.54		T		chments
Rated Item Animal Control	M Miles 0.01	U Miles	0.01 M + 4U Miles	Threshold % 0.78%	PO Miles	CO Miles
Unit Totals:	0.01	0.00	0.01	0.78%	0.00	0.00
Offit Totals.	0.01	0.00	0.01	0.7676	0.00	0.00
Unit No. 14 Ash Slough	Overall Unit	Total Unit				
	Rating	Miles				
	A	1.28			Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 15 Berenda Slough	Overall Unit	Total Unit				
	Rating	Miles				
	A	2.03				
Data di Itana	NA NATIO	I I NATIO	NA . ALL NATIO	Th In - I - I 0/		chments
Rated Item No Items	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
			0.00	0.0070	0.00	0.00
Unit No. 16 Berenda Slough	Overall Unit Rating	Total Unit Miles				
	A	1.98			Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Vegetation	0.15		0.15	7.58%		
Unit Totals:	0.15	0.00	0.15	7.58%	0.00	0.00
Unit No. 17 Chowchilla Canal Bypass	Overall Unit	Total Unit				
	Rating	Miles				
	A	16.09				
Date of the re-	NA NA:1	I I NAH -	M + ALL Miles	Throokald 0/	Encroad	
Rated Item Animal Control	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
	0.38	0.00	0.38	2.36%	0.00	0.00
Unit Totals:	0.38	0.00	0.38	2.36%	0.00	0.00

Fall 2009 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 40 Chaushilla Canal Dunasa	Our mall I limit	Tatal Hait				
Unit No. 18 Chowchilla Canal Bypass	Overall Unit Rating	Total Unit Miles				
	Α	15.33				
					Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
No Items						
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 22A East Side Canal	Overall Unit Rating	Total Unit Miles		Threshold Percer		
	M *	5.50		vever, U Rated M Unit Rating is M in		ent, so
					Encroad	chments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Encroachments		0.01	0.04	0.73%		
Unit Totals:	0.00	0.01	0.04	0.73% *	0.00	0.00
Unit No. 23 San Joaquin River	Overall Unit	Total Unit				
	Rating	Miles				
	A	10.25		1		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	
Vegetation	0.05	O IVIIIES	0.05	0.49%	1 O Miles	CO IVIIIes
Encroachments	0.03		0.03	0.49 %		
Animal Control	0.04		0.01	0.10%		
Unit Totals:	0.10	0.00	0.10	0.98%	0.00	0.00
Offic Foldis.	0.10	0.00	0.10	0.9070	0.00	0.00
Unit No. 24 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	8.34				
						hments
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO Miles
Encroachments	0.01		0.01	0.12%	0.34	
Animal Control	0.01		0.01	0.12%		
Unit Totals:	0.02	0.00	0.02	0.24%	0.34	0.00
Unit No. 25 Salt Slough	Overall Unit Rating	Total Unit Miles				
	U	2.47				
Detect House	NA NATI-	LLNGL	NA . 411 NA:	Th h . l . l . 0/	Encroad	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	PO Miles	CO ivilles
Crown Surface / Depressions / Rutting	2.20	0.00	2.20	89.07%	0.00	0.00
Unit Totals:	2.20	0.00	2.20	89.07%	0.00	0.00

LMA District Cover Sheet

Fall 2009 Levee Inspection Results

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)		
* Overall LMA Rating (Fall Only)			M			
	** Non-receipt of Su	mmer or Winter Inspe	ection Reports may effec	ct overall annual rating		
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall. FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.						
omments						

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Waterway Bank Unit N								
	Unit No. 01 San	Joaquin River		Right	22.56			
	Spring Summer (September - November) Winte (March - May) (June - August) Fall (December - F							
Unit Maintenance Rating (Fall Only)			Α					
Date of Inspection	3/30/2009		11/10/2009					
DWR Inspector	Richard Willoughby		Richard Willoughby					
Accompanied By								
Check one:	vinter (or summer) inspection p	eriod my staff or I have	a inspected the levee and asso	ociated fl	ood			
project components conditions other tha	identified in the attached Leve in the results of our normal mai and in the enclosed report.	e Inspection Report by	Mile. We have found no chang	ges in flo				
project components maintenance and th	vinter (or summer) inspection p identified in the attached Leve e corrections we have made to a flood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal			
	ction below or on additional she n (Land Side, Water Side, or C							
Comments								
information must also be s	3	eet should be signed an	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleast spection Reports Room LL-30	tative an	d returned to			
X Signature of LMA Repres	sentative		Date					

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	item	ition	ing	Action/Comment	Start	End	Photo
1	0.11	0.11	Earthen Levee	Trim / Thin Trees	WS	С	Trim trees to at least five feet above ground level.	37.347688 ° -120.960067 °	37.347688 ° -120.960067 °	3
2	9.05	9.81	Earthen Levee	Crown Surface / Depressions / Rutting	CR	С	Keep the crown roadway free of vegetation.	37.297473 ° -120.850480 °	37.293097 ° -120.839187 °	21
3	9.10	9.57	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	37.297157 ° -120.850138 °	37.295518 ° -120.842235 °	23
4	21.44	21.50	Earthen Levee	Encroachments	LS	M	Agricultural tilling	37.178665 ° -120.761092 °	37.178653 ° -120.759957 °	24 Y
5	22.21	22.52	Earthen Levee	Encroachments	LS	РО	Agricultural Ditch	37.169962 ° -120.754240 °	37.166983 ° -120.750127 °	22 Y

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	11/17/2009 11/17/2009	Richard Willoughby

Levee Mile Report Line	4				
Start Levee Mile	21.44				
End Levee Mile	21.50				
Location	Land Side				
Category	Earthen Levee				
Item	Encroachments				
Looking north at farmer cutting into levee at landside toe.					
landside toe.					

Levee Mile Report Line	4			
Start Levee Mile	21.44			
End Levee Mile	21.50			
Location	Land Side			
Category	Earthen Levee			
Item	Encroachments			
Looking north at landside toe.				

richard_20091123_112.jpg

Start Levee Mile End Levee Mile 22.52 Location Category Item Encroachments Looking at landside ditch at levee toe.	Levee Mile Report Line	5
Location Land Side Category Earthen Levee	Start Levee Mile	22.21
Category Earthen Levee Item Encroachments	End Levee Mile	22.52
Item Encroachments	Location	Land Side
	Category	Earthen Levee
Looking at landside ditch at levee toe.	Item	Encroachments
	Looking at landside ditch	at levee toe.
richard_20091123_113.jpg	richard_20091123_113.jpg	







* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing able CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles							
Unit No. 02A San Joaquin River Left 13.79									
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)					
Unit Maintenance Rating (Fall Only)			М						
Date of Inspection	3/30/2009		11/10/2009						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
Check one:									
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 									
Comments									
information must also be:	3	eet should be signed ar	nd dated by the LMA Represen ch 31 (Winter Inspection). Plea aspection Reports c, Room LL-30	tative an	d returned to				
X Signature of LMA Repres	contativo		Date						
Signature of Livia Repres	cillative		Dale						

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A San Joaquin River	Left	13.79	11/19/2009 11/19/2009	Richard Willoughby

LMR	Levee	Mile	Category	Item	Loca *	Rati	Action/Comment	GPS Latitude/Longitude		Issue No.
No.	Start	End	Category	пеш	*ation	ing	Action/Comment	Start	End	Photo
1	0.00	2.32	Earthen Levee	Crown Surface / Depressions / Rutting	CR	М	Keep the crown roadway free of vegetation.	0	0	944

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

C : Corrected

FINAL DATA Page 1 of 1

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles							
Unit No. 02B San Joaquin River Left 5.92									
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)					
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection	3/30/2009		11/10/2009						
DWR Inspector	Richard Willoughby		Richard Willoughby						
Accompanied By									
Check one:									
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 									
Comments									
information must also be	3	eet should be signed ar	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleast spection Reports Room LL-30	tative an	d returned to				
Signature of LMA Representative Date									

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

LMR	Leve	e Mile	Catagony	Itom	Location	Rating	Action/Commant	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	Item	ition	ing	Action/Comment	Start	End	Photo
1	7.87	13.21	Earthen Levee	Crown Surface / Depressions / Rutting	CR	A	Add appropriate gravel or road base. Grade and compact.	37.231638 ° -120.812170 °	37.179420 ° -120.764933 °	8
2	12.72	12.72	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees over roadway to at least 12 feet above ground level.	37.185707 ° -120.768147 °	37.185707 ° -120.768147 °	10
3	12.75	12.75	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees to at least five feet above ground level.	37.185448 ° -120.768487 °	37.185448 ° -120.768487 °	9
4	13.05	13.05	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Down tree across canal and landside slope	37.181397 ° -120.766287 °	37.181397 ° -120.766287 °	4 Y
5	13.10	13.10	Earthen Levee	Trim / Thin Trees	LS	С	Trim trees to at least five feet above ground level.	37.180785 ° -120.765865 °	37.180785 ° -120.765865 °	3
6	13.46	13.50	Earthen Levee	Trim / Thin Trees	WS	М	Trim trees to at least five feet above ground level.	37.176420 ° -120.762212 °	37.176143 ° -120.761785 °	7
7	13.69	13.69	Earthen Levee	Encroachments	LS	М	Garbage	37.173603 ° -120.761017 °	37.173603 ° -120.761020 °	11 Y
8	13.70	13.70	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.173471 ° -120.761040 °		12

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

Levee Mile Report Line	4				
Start Levee Mile	13.05				
End Levee Mile	13.05				
Location	Land Side				
Category	Earthen Levee				
Item	Encroachments				
Looking northwest at down tree on landside slope.					

richard_20091123_115.jpg

Levee Mile Report Line	4					
Start Levee Mile	13.05					
End Levee Mile	13.05					
Location	Land Side					
Category	Earthen Levee					
Item	Encroachments					
Landida a catalogia de Caraca alexana tara a carabara de la c						

Looking at hole left from down tree on landside toe.

richard_20091123_116.jpg

Levee Mile Report Line	4				
Start Levee Mile	13.05				
End Levee Mile	13.05				
Location	Land Side				
Category	Earthen Levee				
Item	Encroachments				
Looking southwest at down tree in canal on landside slope.					

richard_20091123_117.jpg







* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

Levee Mile Report Line	7				
Start Levee Mile	13.69				
End Levee Mile	13.69				
Location	Land Side				
Category	Earthen Levee				
Item	Encroachments				
Looking northwest at wood pile on landside shoulder.					
richard_20091123_114.jpg					



Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Waten	way		Bank	Unit Miles
	Unit No. 03 San	Joaquin River		Right	2.16
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection			11/10/2009		
DWR Inspector			Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current v project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve he corrections we have made to in flood project conditions. ction below or on additional she in (Land Side, Water Side, or Co	ee Inspection Report by intenance and the corresponding to the correspon	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flo tenance ociated floor not have four	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.16		Richard Willoughby

LMR	Levee N	/lile	Catagory	Item	Rati	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start E	End	Category	iteiii	ing	Action/Comment	Start	End	Photo
1						No issues were reported.	0	0	
							0	0	

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles							
	Unit No. 04 San	Joaquin River		Left	1.58				
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)				
Unit Maintenance Rating (Fall Only)			Α						
Date of Inspection			11/10/2009						
DWR Inspector			Richard Willoughby						
Accompanied By									
project components conditions other that deficiencies identified. During the current victory project components maintenance and the following changes in (In the comment see	Check one: During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).								
information must also be	3	eet should be signed an	d dated by the LMA Representh 31 (Winter Inspection). Pleaspection Reports, Room LL-30	tative an	d returned to				
x									
Signature of LMA Repres	sentative		Date						

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.58	11/19/2009 11/19/2009	Richard Willoughby

E Levee Mile	Catagory	Item	Rati	Action/Comment	GPS Latitud	le/Longitude	Issue No.
Start End	Category	пеш	ing	Action/Comment	Start	End	Photo
1				No issues were reported.	0	0	

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles
	Unit No. 05 East	t Side Bypass		Right	34.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified. During the current with project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p i identified in the attached Leve in the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve in corrections we have made to in flood project conditions. ction below or on additional she in (Land Side, Water Side, or Co	ee Inspection Report by intenance and the corresponding of the correspon	Mile. We have found no change tions we have made to maint e inspected the levee and asso Mile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flot tenance ociated fl of our no have fou	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	nd dated by the LMA Represent ch 31 (Winter Inspection). Pleast spection Reports Room LL-30	itative an	d returned to
x					
Signature of LMA Penres	contativo		Date		

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee Mile		Category Item *		Rating ** Location *		Rating Action/Comment		GPS Latitude/Longitude		
No.	Start	End	Category	пеш	tion	ng	Action/Comment	Start	End	Photo	
1	6.50	6.50	Earthen Levee	Animal Control	WS	М	Exterminate rodents and backfill and compact or grout burrows.	37.230497 ° -120.727263 °	37.230497 ° -120.727263 °	15	
	6.58	6.58	Earthen Levee	Repair Gates	CR	М		37.229807 ° -120.726538 °	37.229807 ° 120.726538 °	17 Y	
	8.06	8.06	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.213600 ° -120.706630 °	37.213600 ° -120.706630 °	4	
4	8.83	8.83	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.205778 ° -120.696843 °	37.205778 ° -120.696843 °	5	
5	25.49	25.54	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.047630 ° -120.488530 °	37.047042 ° -120.488092 °	9	
	29.80	29.80	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.017540 ° -120.431955 °	37.017540 ° -120.431955 °	16	

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 05 East Side Bypass	Right	34.75	11/17/2009 11/17/2009	Richard Willoughby	

Levee Mile Report Line	2					
Start Levee Mile	6.58					
End Levee Mile	6.58					
Location	Crown					
Category	Earthen Levee					
Item	Repair Gates					
Looking south at damage gate.						
richard_20091123_118.jpg						



Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles
	Unit No. 06 East	Side Bypass		Left	36.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other tha deficiencies identifie During the current w project components	vinter (or summer) inspection p identified in the attached Leve n the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve e corrections we have made to	e Inspection Report by intenance and the corre- period, my staff or I have the Inspection Report by	Mile. We have found no change ections we have made to maint e inspected the levee and asso Mile. In addition to the results	ges in flo enance ociated fl of our no	ood project ood ormal
	n flood project conditions.		•		
	ction below or on additional she n (Land Side, Water Side, or C				
Comments					
information must also be s	3	eet should be signed an	d dated by the LMA Represen th 31 (Winter Inspection). Plea spection Reports , Room LL-30	tative an	d returned to
v					
X Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Category	пеш	tion	ing	Action/Comment	Start	End	Photo
1	4.67	4.67	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.244012 ° -120.761372 °	37.244012 ° -120.761372 °	16 Y
2	6.12	6.12	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.235777 ° -120.738598 °	37.235777 ° -120.738598 °	22
3	6.15	6.15	Earthen Levee	Animal Control	WS	М	Exterminate rodents and backfill and compact or grout burrows.	37.235623 ° -120.738017 °	37.235623 ° -120.738017 °	21
4	20.38	20.67	Earthen Levee	Encroachments	ws	С	Material Inspector Comments: Sand pile in channel over three feet high.	37.113240 ° -120.569413 °	37.113320° -120.564087°	15
5	22.90	22.96	Earthen Levee	Animal Control	LS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.088663 ° -120.538193 °	37.087968 ° -120.537485 °	8
6	23.93	23.93	Earthen Levee	Animal Control	LS	С	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.077337 ° -120.526045 °	37.077337 ° -120.526045 °	20
7	28.62	28.62	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.030102 ° -120.469122 °	37.030102 ° -120.469122 °	19

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/18/2009 11/18/2009	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	4.67
End Levee Mile	4.67
Location	Crown
Category	Earthen Levee
Item	Animal Control
Looking at squirrel hole a	it crown of levee.
richard_20091110_107.jpg	



Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles								
	Right	3.62											
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)								
Unit Maintenance Rating (Fall Only)			Α										
Date of Inspection													
DWR Inspector													
Accompanied By													
Check one:													
project components conditions other that deficiencies identified During the current v project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection per identified in the attached Leve in the results of our normal mailed in the enclosed report. vinter (or summer) inspection per identified in the attached Leve in ecorrections we have made to a flood project conditions. ction below or on additional short (Land Side, Water Side, or Conditions)	te Inspection Report by intenance and the correction, my staff or I have the Inspection Report by the maintenance deficience the correction report of the correction	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flo tenance ociated fl of our no have fou	ood project ood ormal und the								
Comments													
information must also be	3	eet should be signed an	nd dated by the LMA Represer th 31 (Winter Inspection). Plea aspection Reports by Room LL-30	itative an	d returned to								
x													
Signature of LMA Repres	sentative		Date										

Page 1 of 1

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee Mile	Category Itom * * * * * Action/Comment		GPS Latitud	Issue No.			
No.	Start End	Calegory	item	tion	Action/Confinent	Start	End	Photo
1					No issues were reported.	0	•	

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

C : Corrected

FINAL DATA

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles							
Unit No. 08 Bear Creek Bypass Left												
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)							
Unit Maintenance Rating (Fall Only)												
Date of Inspection												
DWR Inspector												
Accompanied By												
Check one:												
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 												
Comments												
information must also be	3	eet should be signed an	nd dated by the LMA Represer ch 31 (Winter Inspection). Plea aspection Reports c, Room LL-30	ntative an	d returned to							
X Signature of LMA Repres	sentative		Date									
gc. c. c. E			24.0									

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek Bypass	Left	3.63	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee	Mile	Catagony	Itom	Location	Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Category	Item	tion	ing	Action/Confinent	Start	End	Photo
1	0.88	0.88	Earthen Levee	Repair Gates	CR	С	Inspector Comments: Bottom hinge broken.	37.262158 ° -120.760657 °	37.262158 ° -120.760660 °	8
2	2.12	2.12	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	37.257688 ° -120.741573 °	37.257688 ° -120.741573 °	7
3	3.40	3.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.253052 ° -120.722647 °	37.253600 ° -120.720198 °	3

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Waten	way		Bank	Unit Miles
	Right	0.88			
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection					
DWR Inspector					
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current v project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve he corrections we have made to in flood project conditions. ction below or on additional she in (Land Side, Water Side, or Co	te Inspection Report by intenance and the correction, my staff or I have the Inspection Report by the maintenance deficience the correction report in the correction	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flo tenance ociated fl of our no have fou	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.88	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee Mil		Category Item		Action/Comment	GPS Latitud	Issue No.	
S _O	Start End	Category	пеш	tion	Action/Comment	Start	End	Photo
1		No issues were reported.						
					•	0	0	

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles									
	Unit No. 10 Owens	s Creek Bypass		Left	0.82						
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)						
Unit Maintenance Rating (Fall Only)			Α								
Date of Inspection			11/10/2009								
DWR Inspector			Richard Willoughby								
Accompanied By											
Check one:											
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 											
Comments											
information must also be	3	eet should be signed an	d dated by the LMA Representh 31 (Winter Inspection). Pleaspection Reports , Room LL-30	itative an	nd returned to						
x											
Signature of LMA Repres	sentative		Date								

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.82	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee Mile	Catagory	Item * ton Ration Action/Comment	GPS Latitud	Issue No.			
No.	Start End	Category			Action/Comment	Start	End	Photo
1	No issues were reported.					0	0	
					•	0	0	

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles									
	Unit No. 11 Mari	iposa Bypass		Right	3.31						
	Spring (March - May)	Summer (June - August)	(September - November) Fall) Winter (December - Fel							
Unit Maintenance Rating (Fall Only)			Α								
Date of Inspection	Date of Inspection 11/10										
DWR Inspector											
Accompanied By											
Check one:											
 During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition). 											
Comments											
information must also be	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	ntative an	d returned to						
x											
Signature of LMA Repres	sentative		Date								

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/19/2009 11/19/2009	Richard Willoughby

LMR	Levee Mile		Catagory	Item	Rati Loca	Action/Comment	GPS Latitud	e/Longitude	Issue No.
<u>N</u> 0.	Start	End	Category	tion	Action/Comment	Start	End	Photo	
1		No issues were reported.						0	

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles			
	Unit No. 12 Mar	iposa Bypass		Left	3.33			
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)			
Unit Maintenance Rating (Fall Only)			Α					
Date of Inspection	3/30/2009		11/10/2009					
DWR Inspector	Richard Willoughby		Richard Willoughby					
Accompanied By								
Check one:								
project components conditions other that deficiencies identified During the current v project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection pridentified in the attached Level in the results of our normal mailed in the enclosed report. vinter (or summer) inspection pridentified in the attached Level is corrections we have made to a flood project conditions. ction below or on additional short (Land Side, Water Side, or Conditions)	ee Inspection Report by intenance and the corresponding to the correspon	Mile. We have found no change trions we have made to maint be inspected the levee and assorting. In addition to the results size identified in the report, we of condition by: Start to End Le	ges in flot tenance ociated fl of our no have for	ood project ood ormal und the			
Comments								
information must also be	3	eet should be signed an	d dated by the LMA Representh 31 (Winter Inspection). Pleaspection Reports , Room LL-30	itative an	d returned to			
~								
X Signature of LMA Repres	sentative		Date					

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass	Left	3.33	11/19/2009 11/19/2009	Richard Willoughby

	LMR	Levee Mile		Category	y Item *tion		Rating	Action/Comment	GPS Latitud	Issue No.	
No.	No.	Start	End	Calegory	пеш	tion	ng	Action/Comment	Start	End	Photo
	1	2.33	2.33	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.200907 ° -120.712978 ° -	37.200907 ° 120.712978 °	1
	2	2.33	2.33	Earthen Levee	Animal Control	ws	M	Exterminate rodents and backfill and compact or grout burrows.	37.200878 ° -120.712965 ° -	37.200878 ° -120.712965 °	2

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Water	way		Bank	Unit Miles
	Unit No. 13 A	sh Slough		Right	1.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current was project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mailed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve the corrections we have made to in flood project conditions. ction below or on additional sho in (Land Side, Water Side, or Co	ee Inspection Report by intenance and the corresponding to the correspon	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flo tenance ociated flo of our no have fou	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough	Right	1.28	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee Mile Category	Category	egory Item *		Ratin ** Locati	Action/Comment	GPS Latitude	Issue No.		
No.	Start	End	Calegory	пеш	tion	ng	Action/Comment	Start	End	Photo
1	0.14	0.14	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.035697 ° -120.441197 ° -	37.035697 ° 120.441197 °	

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles								
	Unit No. 14 A	sh Slough		Left	1.28					
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)					
Unit Maintenance Rating (Fall Only)			Α							
Date of Inspection			11/10/2009							
DWR Inspector			Richard Willoughby							
Accompanied By										
Check one: During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report. During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions. (In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).										
Comments	- As been alread by the Level M	latin fatining and account of MA	A) If the control is a local to the control is	. d d.att						
information must also be	3	eet should be signed an	d dated by the LMA Representh 31 (Winter Inspection). Pleaspection Reports , Room LL-30	itative an	d returned to					
x										
Signature of LMA Repres	sentative		Date							

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee Mile	Catagory	Item	Rati	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start End	Category	liteiii e	ing	Action/Comment	Start	End	Photo
1					No issues were reported.	0	0	

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	water	way		Bank	Unit Miles
	Unit No. 15 Ber	enda Slough		Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November)		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current with project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve ie corrections we have made to in flood project conditions. ction below or on additional shin in (Land Side, Water Side, or Co	ee Inspection Report by intenance and the corresponding to the correspon	Mile. We have found no char ections we have made to main e inspected the levee and ass Mile. In addition to the results cies identified in the report, we of condition by: Start to End L	nges in flo itenance ociated fl s of our no e have fou	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	Id dated by the LMA Represer th 31 (Winter Inspection). Ple spection Reports , Room LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee Mile		Category	Item	Loca *	Rati	Action/Comment	GPS Latitud	e/Longitude	Issue No.
No.	Start	End	Calegory	Item	* ation	ng	Action/Comment	Start	End	Photo
1	1.51	2.01	Earthen Levee	Crown Surface / Depressions / Rutting	CR	С		36.996470 ° -120.383188 °	36.996417° 120.374085°	9

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Waten	way		Bank	Unit Miles
	Unit No. 16 Ber	enda Slough		Left	1.98
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current was project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection policidentified in the attached Leve in the results of our normal mailed in the enclosed report. vinter (or summer) inspection policidentified in the attached Leve in ecorrections we have made to inflood project conditions. ction below or on additional short (Land Side, Water Side, or Conditions)	the Inspection Report by intenance and the correction, my staff or I have be Inspection Report by a maintenance deficience beet(s), identify change of	Mile. We have found no change trions we have made to maint be inspected the levee and assorting. In addition to the results size identified in the report, we of condition by: Start to End Le	ges in flotenance ociated floor not have for	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	d dated by the LMA Representh 31 (Winter Inspection). Pleaspection Reports , Room LL-30	itative an	d returned to
X Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough	Left	1.98	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee	Mile	Category	ory Item	Location	Rating	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	Calegory	пеш	tion		Action/Comment	Start	End	Photo
1	0.02	1.42	Earthen Levee	Crown Surface / Depressions / Rutting	CR	С	Keep the crown roadway free of vegetation.	36.995428 ° -120.408610 °	36.995440 ° -120.383387 °	4
2	0.48	0.63	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.995145 ° -120.400473 °	36.995428 ° -120.397647 °	5
3	1.67	1.98	Earthen Levee	Crown Surface / Depressions / Rutting	CR	С	Keep the crown roadway free of vegetation.	36.995488 ° -120.378788 °	36.995577 ° -120.373488 °	3

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	water	way		Bank	Unit Miles
	Unit No. 17 Chowch	illa Canal Bypass		Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			A		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:	vinter (or summer) inspection p	period, my staff or I have	e inspected the levee and ass	ociated fl	ood
project components conditions other that	s identified in the attached Leve in the results of our normal mai ed in the enclosed report.	e Inspection Report by	Mile. We have found no char	iges in flo	
project components maintenance and the	vinter (or summer) inspection p dentified in the attached Leve e corrections we have made to n flood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal
	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be	3	eet should be signed an	nd dated by the LMA Represe ch 31 (Winter Inspection). Ple aspection Reports c, Room LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass	Right	16.09	11/18/2009 11/18/2009	Richard Willoughby

LMR	Levee	Mile	Catagory	Item	Location	Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Category	item	ition	*ing	Action/Comment	Start	End	Photo
1	6.51	6.60	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.898124 ° -120.326714 °	36.896943 ° -120.326133 °	4
2	7.27	7.39	Earthen Levee	Animal Control	LS	М	Exterminate rodents and backfill and compact or grout burrows.	36.887869 ° -120.321697 °	36.886341 ° -120.320940 °	5
3	8.11	8.28	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.876132 ° -120.317926 °	36.873749 ° -120.317465 °	6

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Unit Cover Sheet

Fall 2009 Levee Inspection Results

	water	way		Bank	Unit Miles
	Unit No. 18 Chowch	illa Canal Bypass		Left	15.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection			11/10/2009		
DWR Inspector			Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other tha deficiencies identifie	winter (or summer) inspection p s identified in the attached Leve an the results of our normal mai ed in the enclosed report.	ee Inspection Report by intenance and the corre	Mile. We have found no chan ections we have made to main	ges in flo tenance	od project
project components maintenance and the	winter (or summer) inspection p s identified in the attached Leve ne corrections we have made to n flood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal
	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be DWR with any additional	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	itative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.33	11/18/2009 11/18/2009	Richard Willoughby

Levee Mile	Category	tegory Item 'SE' Ac		Action/Comment	GPS Latitud	Issue No.	
Start End	Category	tion	tion	Action/Comment	Start	End	Photo
1	No issues were reported.						

** Rating

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Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Waten	way		Bank	Unit Miles
	Unit No. 22A Ea	st Side Canal		Left	5.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			М		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current v project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection per identified in the attached Level in the results of our normal mailed in the enclosed report. vinter (or summer) inspection per identified in the attached Level in corrections we have made to a flood project conditions. ction below or on additional should not contain the corrections we have made to a flood project conditions.	te Inspection Report by intenance and the correction, my staff or I have the Inspection Report by the maintenance deficience the correction report of the correction	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flot tenance ociated flot of our not have four	lood project lood ormal und the
Comments					
information must also be	3	eet should be signed an	nd dated by the LMA Represer th 31 (Winter Inspection). Plea aspection Reports F, Room LL-30	ntative an	nd returned to
X Signature of LMA Repres	sentative		Date		
orginature of LIVIA INCHIES	JOHNULIYO		שמוכ		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 22A East Side Canal	Left	5.50	11/17/2009 11/17/2009	Richard Willoughby

LMR	Levee Mile		Category	v Item		Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	gory Item Pating Action/Comment		Action/Comment	Start	End	Photo	
1	3.85	3.85	Channels	Encroachments	WS	U	Inspector Comments: Stevenson Irrigation District contructed a concrete weir across channel without a permit.	37.255568 ° -120.720551 °	37.255568 ° -120.720551 °	4
2	4.70	4.70	Earthen Levee	Erosion / Bank Caving	WS	С	Schedule repair of erosion site prior to the next inspection.	37.264283 ° -120.731378 °	37.264283 ° -120.731378 °	3

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U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

C : Corrected

FINAL DATA

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	water	way		Bank	Unit Miles
	Unit No. 23 San	Joaquin River		Right	10.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			Α		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
	vinter (or summer) inspection p				
conditions other tha	in the results of our normal mai ed in the enclosed report.				
project components maintenance and th	vinter (or summer) inspection p identified in the attached Leve ie corrections we have made to n flood project conditions.	e Inspection Report by	Mile. In addition to the results	of our no	ormal
	ction below or on additional sho n (Land Side, Water Side, or C				
Comments					
information must also be	3	eet should be signed an	nd dated by the LMA Represer th 31 (Winter Inspection). Please espection Reports Fragment Reports Report LL-30	ntative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River	Right	10.25	11/16/2009 11/16/2009	Richard Willoughby

LMR	Levee	evee Mile Category		/ Item	Location *	Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	пеш	ition		Action/Comment	Start	End	Photo
1	3.30	3.30	Earthen Levee	Vegetation	LS	М	Elderberries are blocking visibility and flood fight capability.	36.774403 ° -120.234705 °	36.774403 ° -120.234705 °	3
2	4.09	4.13	Earthen Levee	Vegetation	LS	М	Remove the wild growth other than native grasses from the levee slopes.	36.784070 ° -120.229708 °	36.784230 ° -120.228933 °	6
3	5.19	5.19	Earthen Levee	Encroachments	ws	M	Material Inspector Comments: Sand pile in levee channel over three feet high. Pile is to close to levee.	36.791373 ° -120.214972 °	36.791373 ° -120.214972 °	7
4	5.68	5.72	Earthen Levee	Animal Control	WS	М	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.792012 ° -120.206270 °	36.791857 ° -120.205685 °	5

** Rating

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U : Unacceptable

PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected

Unit Cover Sheet

Fall 2009 Levee Inspection Results

	water	way		Bank	Unit Miles						
	Unit No. 24 San	Joaquin River		Left	8.34						
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)						
Unit Maintenance Rating (Fall Only)			Α								
Date of Inspection	3/30/2009		11/10/2009								
DWR Inspector	Richard Willoughby		Richard Willoughby								
Accompanied By											
	vinter (or summer) inspection p										
conditions other tha	in the results of our normal mai ed in the enclosed report.				od project						
project components maintenance and the	During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.										
	ction below or on additional sho n (Land Side, Water Side, or C										
Comments											
information must also be	3	eet should be signed an	nd dated by the LMA Represer ch 31 (Winter Inspection). Plea aspection Reports c, Room LL-30	ntative an	d returned to						
x											
Signature of LMA Repres	sentative		Date								

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River	Left	8.34	11/16/2009 11/16/2009	Richard Willoughby

LMR	Levee Mil		Category	orv Item		Rating	Action/Comment	GPS Latitud	Issue No.	
No.	Start	End	Calegory	item	Location *	ing	Action/Comment	Start	End	Photo
1	2.38	2.38	Earthen Levee	Encroachments	WS	М	Tree or limb	36.769332 ° -120.255743 °	36.769332 ° ·120.255743 °	8
2	3.46	3.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.769345 ° -120.238370 °	36.769345 ° 120.238370 °	7
3	6.33	6.33	Earthen Levee	Encroachments	WS	С	Prunings	36.788235° -120.209622°	36.788235 ° 120.209622 °	6
4	7.98	8.32	Earthen Levee	Encroachments	WS	РО	Fences	36.775580 ° -120.189783 °	36.778099 ° 120.184436 °	1

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Unit Cover Sheet

Fall 2009 Levee Inspection Results

	Bank	Unit Miles			
	Unit No. 25 S	Salt Slough	Right	2.47	
	Spring (March - May)	Summer (June - August)	(September - November) Fall		Winter ber - February)
Unit Maintenance Rating (Fall Only)			U		
Date of Inspection	3/30/2009		11/10/2009		
DWR Inspector	Richard Willoughby		Richard Willoughby		
Accompanied By					
Check one:					
project components conditions other that deficiencies identified During the current was project components maintenance and the following changes in (In the comment see	vinter (or summer) inspection p identified in the attached Leve in the results of our normal mai ed in the enclosed report. vinter (or summer) inspection p identified in the attached Leve ie corrections we have made to in flood project conditions. ction below or on additional sho in (Land Side, Water Side, or Co	ee Inspection Report by intenance and the corresponding to the correspon	Mile. We have found no chan ections we have made to main e inspected the levee and assortile. In addition to the results cies identified in the report, we of condition by: Start to End Le	ges in flo tenance ociated fl of our no have fou	ood project ood ormal und the
Comments					
information must also be	3	eet should be signed an	d dated by the LMA Represer th 31 (Winter Inspection). Plea spection Reports , Room LL-30	itative an	d returned to
x					
Signature of LMA Repres	sentative		Date		

Levee Inspection Report By Mile - Fall 2009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough	Right	2.47	11/19/2009 11/19/2009	Richard Willoughby

LMR	Levee Mile			tom *a	Rati	Action/Comment	GPS Latitud	Issue No.		
<u>8</u>	Start	Category Item		ating ** ation		Action/Comment	Start	End	Photo	
1	0.27	2.47	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M		37.292165 ° -120.880693 °	37.271175 ° 120.866618 °	1